

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**Title of Invention**

MEMS Structure With Mechanical Overdeflection Limiter

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- The attached application, or  
 Application No. \_\_\_\_\_, filed on \_\_\_\_\_,  
 as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

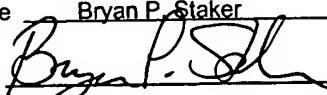
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

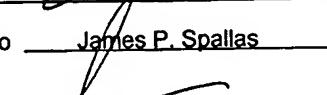
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**

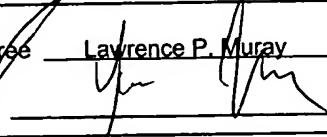
Inventor one Bryan P. Staker Date: 6/25/02

Signature:  Citizen of: United States

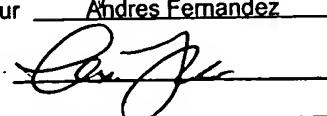
Inventor two James P. Spallas Date: 6/25/02

Signature:  Citizen of: United States

Inventor three Lawrence P. Muray Date: 6/25/02

Signature:  Citizen of: United States

Inventor four Andres Fernandez Date: 6/25/02

Signature:  Citizen of: United States

Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	Unassigned
	Filing Date	Herewith
	First Named Inventor	Staker, Bryan P., et al.
	Title	MEMS Structure With Mechanical Overdeflection Limiter
	Group Art Unit	Unassigned
	Examiner Name	Unassigned
	Attorney Docket Number	020974-12.00US

I hereby appoint:

Practitioners at Customer Number

20350

Place Customer  
Number Bar Code  
Label here

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number



Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

(650) 326-2400

Fax

(650) 326-2422

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

William Banyai, Ph.D.

Signature

Date

6/25/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  
Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3227893 v1

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Bryan P. Staker, et al.Application No./Patent No.: Herewith Filed/Issue Date: \_\_\_\_\_Entitled: MEMS STRUCTURE WITH MECHANICAL OVERDEFLECTION LIMITERGlimmerglass Networks, Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: To :  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: To :  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: To :  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6/25/2  
DateWilliam Banya, Ph.D.

Typed or printed name

WBR  
SignatureChief Technical Officer

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Bryan P. Staker of 2108 Raven Road, Pleasanton, CA 94566; James P. Spallas of 8248-H North Lake Drive, Dublin, CA 94568; Lawrence P. Muray of 62 Buckingham Drive, Moraga, CA 94556; and Andres Fernandez of 6522-C Cottonwood Circle, Dublin, CA 94568; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MEMS STRUCTURE WITH MECHANICAL  
OVERDEFLECTION LIMITER  
Date(s) of execution of Declaration: June 25, 2002  
Filing Date: Herewith  
Application No.: Unassigned

WHEREAS, Glimmerglass Networks, Inc. , a corporation of the State of Delaware, located at 26142 Eden Landing Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 6/25/02

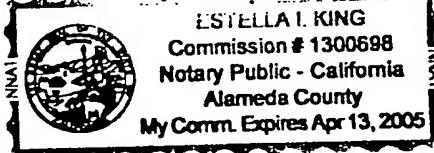
Bryan P. Staker  
Bryan P. Staker

Assignment  
Attorney Docket No.: 020974-12.00US  
Page 2

STATE OF CALIFORNIA )  
                          )  
COUNTY OF             )

On June 25, 2002, before me, Estella I. King, personally appeared Bryan P. Staker, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: 4/13/05

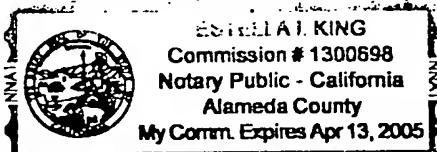
Dated: 6/25/02

James P. Spallas

STATE OF CALIFORNIA )  
                          )  
COUNTY OF             )

On June 25, 2002, before me, Estella I. King, personally appeared James P. Spallas, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

Dated: 6/25/02

Lawrence P. Muray

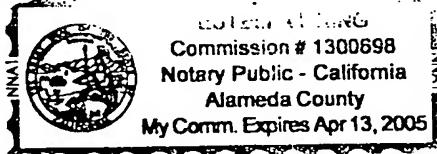
Assignment  
Attorney Docket No.: 020974-12.00US  
Page 3

STATE OF CALIFORNIA )  
                          )  
COUNTY OF Alameda   )

ss.

On June 25, 2002, before me, Estella I. King, personally appeared Lawrence P. Muray, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: 4/13/05

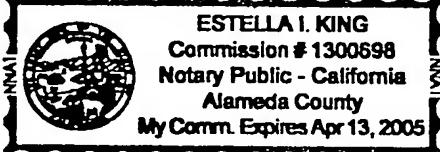
Dated: 6/25/02

Estella I. King  
NOTARY PUBLIC  
Andres Fernandez  
Andres Fernandez

STATE OF CALIFORNIA      )  
                          )  
COUNTY OF                 )

On June 25, 2002, before me, Estella I. King, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: 4/13/05

Estella I. King  
NOTARY PUBLIC  
Andres Fernandez  
Andres Fernandez